83-104

CAREERS TAKE OFF WITH AIR NATIONAL GUARD SKILLS.

NEWARK PUBLIC LIBRARY
SEP 9 1980

READEX FICHE best copy available

D12.11:

The challenge to be all that you can.

Today's Air National Guard will give you the opportunity to develop your potential to its fullest. You'll learn the most advanced skills. From the ground up. Step by step, you'll be trained in a career skill you can use in civilian life. You'll also learn principles of leadership and management. And every step of the way, you'll be earning good pay.

Your local Air Guard recruiter will give you an aptitude test to discover where your true abilities lie. From this, he can help you choose the career field that's best for you.

Among the possibilities open to you are Communications, Avionics, Munitions, Security Police, Fire Fighters, Weather Observer, and many more.

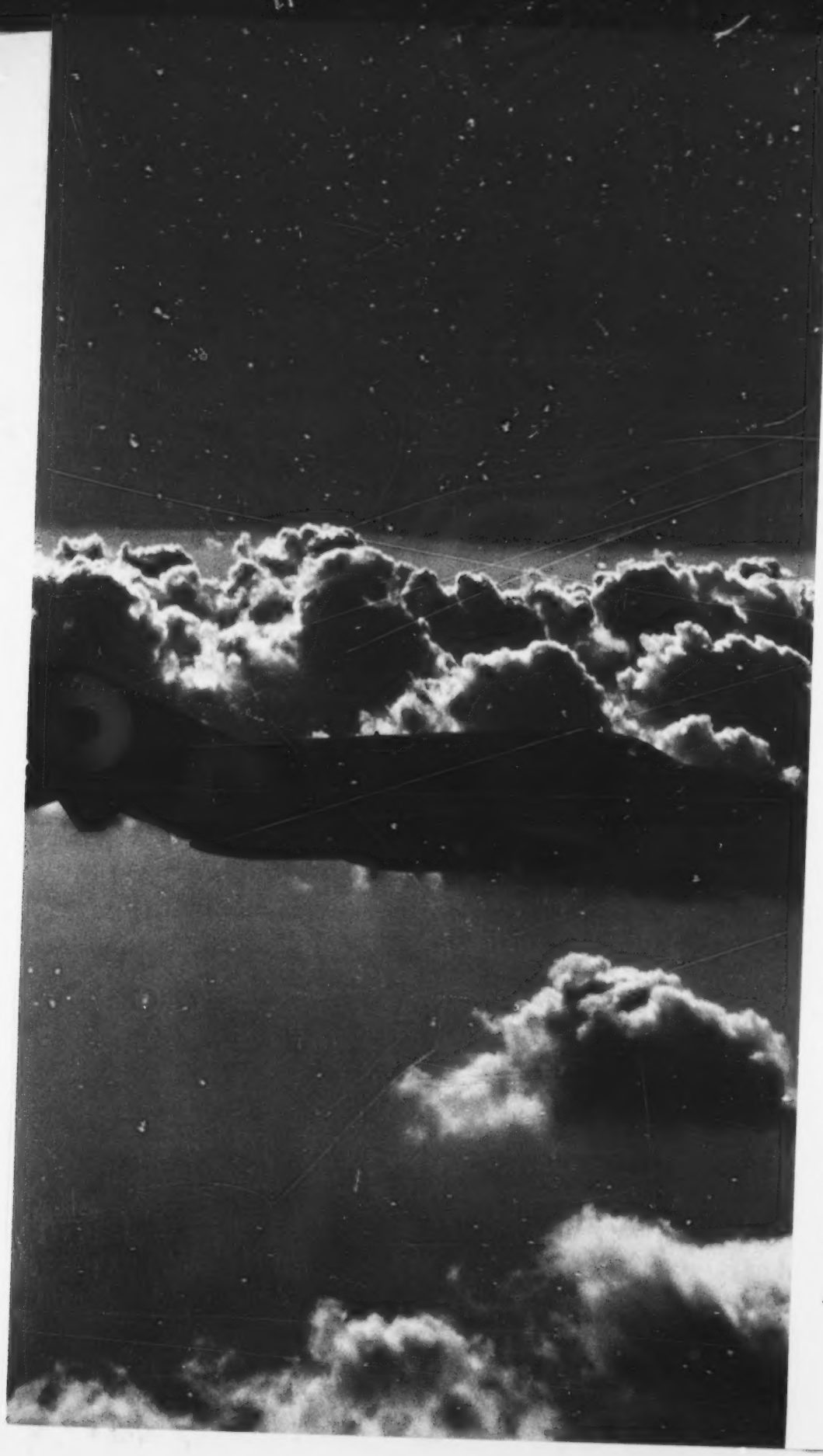
Read about some of the career fields, specialties, and training programs open to new Airmen. If you have any questions, your local recruiter or an Air Guard supervisor can answer them.

The Air National Guard. It's where you really belong.

The first step for each new Air Guard member is Basic Training. You go to Lackland Air Force Base in San Antonio, Texas for six weeks. There you learn what it takes to make a good Airman. You toughen up both physically and mentally. It provides the kind of determination and confidence that helps you in both military and civilian life.

Once you prove yourself there, everything else seems just a little easier. You're one step closer to joining your unit back home. And probably a lot closer to some of the goals you've always set for yourself. Basic may not be one of the easiest things you ever do, but we're sure you'll find it's one of the most satisfying.

After Basic, Air Guard members go on to study their chosen career skill at an Air Force technical school. This provides the special instruction that makes you a valuable part of your home unit, and Air Guard members earn regular military pay while attending. Some of what you learn here may also qualify you for credit in the Community College of the Air Force if you want to continue your education.



INDEX

A

Administrative Specialist–see Administration–page 5

Aerospace Control and Warning Systems Operator–see Command Control Systems Operations–page 13

Aerospace Ground Equipment Mechanic–see Aircraft Systems Maintenance–page 6

Air Cargo Specialist–see Supply and Services–page 18

Air Passenger Specialist–see Supply and Services–page 18

Air Traffic Control Radar Specialist–see Communications Electronic Systems–page 13

Aircraft Armament Systems Specialist–see Munitions Systems Maintenance–page 17

Aircraft Control and Warning Radar Repairman–see Communications Electronic Systems–page 13

Aircraft Electrical Systems Repairman– see Aircraft Systems Maintenance–page 6

Aircraft Environmental Systems Repairman–see Aircraft Systems Maintenance–page 6

Aircraft Loadmaster–see Aircrew Operation and Protection–page 8

Aircraft Pneudraulic Systems Mechanic–see Aircraft Systems Maintenance–page 6

Aircrew Life Support Specialist–see Aircrew Operation and Protection–page 8

Airframe Repair Specialist–see Aircraft Systems Maintenance–page 6

Airlift/Bombardment Aircraft Maintenance Specialist–see Aircraft Maintenance–page 5

Automatic Flight Control Systems Specialist–see Avionics–page 9

Avionics Communications Specialist–see Avionics–page 9

Avionics Instrument Systems Specialist–see Avionics–page 9

Avionics Navigation Systems Specialist–see Avionics–page 9

B

Base Contract Specialist–see Supply and Services–page 20

C

Cable Splicing/Installation Specialist–see Wire Communications Systems Maintenance–page 14

Carpentry Specialist–see Civil Engineering–page 10

Chapel Management Specialist–see Administration–page 5

Civil Engineering Resources Management Specialist–see Civil Engineering–page 10

Command and Control Specialist–see Command Control Systems Operations–page 13

Construction Equipment Operator–see Civil Engineering–page 10

Corrosion Control Specialist–see Aircraft Systems Maintenance–page 6

D

Dental Assistant Specialist–see Medical–page 16

E

Electrician–see Civil Engineering–page 10

Electric Power Line Specialist–see Civil Engineering–page 10

Electric Power Production Specialist–see Civil Engineering–page 10

Electronic Communications and Cryptographic Equipment Systems Repairman–see Communications Electronic Systems–page 13

Entomology Specialist–see Civil Engineering–page 10

Environmental Support Specialist–see Civil Engineering–page 10

F

Fabrication & Parachute Specialist–see Aircraft Systems Maintenance–page 6

Financial Management Specialist–see Accounting and Finance–page 5

Financial Services Specialist–see Accounting and Finance–page 5

Fire Protection Specialist–see Civil Engineering–page 10

Food Service Specialist–see Supply and Services–page 18

Freight Traffic Specialist–see Supply and Services–page 18

Fuel Specialist–see Supply and Services–page 18

G

Ground Communications Radio Specialist–see Communications Electronic Systems–page 13

Ground Radio Operator–see Communications Operations–page 16

H

Heating Systems Specialist–see Civil Engineering–page 12

I

Imagery Interpreter Specialist–see Intelligence–page 16

Intelligence Operations Specialist–see Intelligence–page 16

Inventory Management Specialist–see Supply and Services–page 18

J

Jet Engine Mechanic–see Aircraft Systems Maintenance–page 6

L

Law Enforcement Specialist–see Security Police–page 18

Legal Services Specialist–see Administration–page 5

Liquid Fuel Systems Maintenance Specialist–see Civil Engineering–page 12

M

Masonry Specialist–see Civil Engineering–page 12

Material Facilities Specialist–see Supply and Services–page 18

Medical Administrative Specialist–see Medical–page 16

Medical Services Specialist–see Medical–page 17

Metal Fabricating Specialist–see Civil Engineering–page 12

Metals Processing Specialist–see Aircraft Systems Maintenance–page 8

Missile Systems Maintenance Specialist–see Missile Electronic Maintenance–page 17

Munitions Systems Specialist–see Munitions–page 17

N

Navigational Aids Equipment Specialist–see Communications Electronic Systems–page 14

Nondestructive Inspection Specialist–see Aircraft Systems Maintenance–page 8

O

Operations Systems Management Specialist–see Command Control Systems Operations–page 13

Outside Wire and Antenna Maintenance Repairman–see Wire Communications Systems Maintenance–page 14

P

Pararescue/Recovery Specialist–see Aircrew Operation–page 8

Pavements Maintenance Specialist–see Civil Engineering–page 12

Personnel Specialist–see Personnel–page 17

Photographic Specialist, Still–see Audiovisual–page 9

Photoprocessing Specialist, Continuous–see Audiovisual–page 9

Photo Systems Specialist, Aerospace–see Intricate Equipment Maintenance–page 16

Plumbing Specialist–see Civil Engineering–page 12

R

Reciprocating Propulsion Mechanic–see Aircraft Systems Maintenance–page 8

Refrigeration and Cyrogenics Specialist–see Civil Engineering–page 12

S

Security Specialist–see Security Police–page 18

Surgical Service Specialist–see Medical–page 17

T

Tactical Aircraft Maintenance Specialist–see Aircraft Maintenance–page 6

Telecommunications Control Specialist Attendant–see Communications Electronic Systems–page 14

Telecommunications Operations Specialist–see Communications Operations–page 16

Telephone Central Office Switching Equipment Specialist–see Wire Communications Systems Maintenance–page 14

Telephone Equipment Installer–see Wire Communications Systems Maintenance–page 14

Television Equipment Repairman–see Communications Electronic Systems–page 14

V

Vehicle Body Mechanic–see Vehicle Maintenance–page 20

Vehicle Mechanic, General Purpose–see Vehicle Maintenance–page 20

Vehicle Mechanic, Special–see Vehicle Maintenance–page 20

W

Weather Specialist–see Weather–page 20

Wideband Communications Equipment Specialist–see Communications Electronic Systems–page 14

Accounting and Finance

Financial Management Specialist
Sheppard AFB, Wichita Falls, TX
12 weeks.

In this position, you must keep track of Air Guard expenditures to determine the availability of funds for future purchases. This includes keeping accounting records and files for accounts control, commercial services, material costs, and real property. You would be responsible for determining the availability of funds for purchases, preparing vouchers for payment, and reviewing and preparing all financial accounting reports.

Accounting and Finance may prepare you for civilian careers such as:

- Accounting Technician
- Voucher Examiner
- Tax Technician
- Bookkeeping Machine Operator
- Accounts Maintenance Clerk

Financial Services Specialist
Sheppard AFB, Wichita Falls, TX
6 weeks.

Your duties as a Disbursement Accounting Specialist will include maintaining and computing pay records, travel records, and computer supporting documents to authorize travel payment. You'll learn to prepare input and operate specialized equipment in a mechanized disbursement system. Instruction includes appropriation/fund accounting military pay, and leave accounting. Special emphasis is placed on procedures for travel, paying and collecting.

Administration

Administrative Specialist
Keesler AFB, Biloxi, MS
6 weeks.

Many people are needed to Control the flow of internal and external correspondence that keeps the Air Guard running. Working as an Administrative Specialist, you'll prepare letters, memorandums, messages, and administrative orders. You'll learn touch typing, completion of forms, and the preparation of photo off-set copy and masters. Training includes mail and message processing, documentation management, unit mail room functions, storage, and distribution procedures.

Chapel Management Specialist
Keesler AFB, Biloxi, MS
7 weeks.

As a Chapel Management Specialist, your duties will include typing, preparing reports and records, documentation and supply management, and maintaining publication files. You'll learn chaplain fund accounting, assist in preparation for religious services, rites, and educational programs.

Legal Services Specialist
Keesler AFB, Biloxi, MS
6 weeks.

It will be your responsibility to assist in the fair and impartial rendering of military justice. Claims must be processed and investigated. You'll study the use of military law and the preparation of legal documents for trial. This includes legal research, use of the law library, and court reporting procedures. Qualification as an apprentice Administration Specialist is mandatory.

Administration may prepare you for civilian careers such as:

- Information Receptionist
- Correspondence Clerk
- Secretary
- Clerk-Typist
- Office Services Manager
- Legal Clerk

Aircraft Maintenance

It will be your responsibility to inspect and maintain specialized types of aircraft. You'll learn to install and adjust aircraft system components, ground handling of aircraft, ground safety, and the use of support equipment. Training covers the fundamentals of mechanics, maintenance management, and corrosion identification and control.

Airlift/Bombardment Aircraft Maintenance Specialist
Sheppard AFB, Wichita Falls, TX
9-13 weeks.

It will be your job to insure each plane's safety by inspecting, servicing, and repairing both the aircraft and its installed equipment. This includes checking aircraft structures, instruments, and controls as well as hydraulic, electrical, and exhaust systems. You'll use feeler gauges, micrometers, and other special tools. Your on-the-job training will provide instruction in taxiing aircraft, flight chief functions, and tow target, tow reel and refueling boom maintenance. Instruction also includes aircraft systems maintenance, and servicing, and maintenance management. You'll learn about aircraft system components, including their inspection, removal, installation, and adjustment. The use of the technical orders, forms, and support equipment is also covered.

Aircraft Maintenance may prepare you for civilian careers such as:

- Aircraft Overhaul
- Aircraft Mechanic
- Aircraft Structural Repairer
- Airframe Repair Specialist

Tactical Aircraft Maintenance Specialist
Sheppard AFB, Wichita Falls, TX
9-13 weeks.

You'll study the aircraft's electrical, hydraulic, flight control, and fuel systems. Your work with engines will include the repair of engine systems and the techniques for engine change. The instruction covers airframes, landing gear, maintenance forms, man-hour accounting, and the maintenance system. You'll also learn the use of technical orders, aircraft inspection, and maintenance management.

Aircraft Systems Maintenance

Aerospace Ground Equipment Mechanic
Chanute AFB, Rantoul, IL
16 weeks.

As an Aerospace Ground Equipment Mechanic, you will inspect, maintain, and repair aircraft ground equipment used by the Air National Guard. This includes systems and components of motor generators, air cooled gas engines, and engine generator sets. Also included are air compressors, equipment coolers, gas turbine compressors, heaters, and hydraulic pumping units.

Aircraft Electrical Systems Repairman
Chanute AFB, Rantoul, IL
15 weeks.

In this specialty you will inspect, maintain, repair, adjust, and modify electrical systems and components in aircraft. Instruction includes basic AC, DC, and electrical principles, the operation of typical electric systems, and circuit analysis and trouble shooting. You'll learn to use technical orders, wiring diagrams and test equipment, to bench test components, and become familiar with aircraft inspection systems and maintenance forms.

Aircraft Environmental Systems Repairman
Chanute AFB, Rantoul, IL
14 weeks.

Working as an Aircraft Environmental Systems Mechanic, you'll operate, inspect, and repair the equipment that guards the safety and comfort of the pilot and aircrew. This includes aircraft air conditioning, temperature control, pressurization oxygen, fire extinguishing, and turbine-driven starter systems. Test equipment includes flowmeters, cabin pressure leak testers, and combustion heater testers.

Aircraft Pneudraulic Systems Mechanic
Chanute AFB, Rantoul, IL
10 weeks.

It will be your responsibility to operate, assemble and disassemble, inspect, test and repair hydraulic and pneudraulic units. This includes the operation and use of ground support and test equipment. Instruction involves ground safety practices, electrical and hydraulic fundamentals, and familiarization with maintenance systems.

Airframe Repair Specialist
Chanute AFB, Rantoul, IL
11 weeks.

A plane's airframe includes the framework and skin of the fuselage, tail section, wings, landing gear, and engine mounts. These support the weight of the plane and bear much of the stress in flight, so they must be kept in perfect shape. It will be your responsibility to repair, replace, and modify aircraft and missile airframe structures. Training includes the development of layouts for repairs and fabrication, identification and selection of metals, fasteners, and nonmetallic repair materials. You'll use thermal processing and fabricate cable and tubing assemblies. Instruction includes the use of dimpling equipment squaring shears, grinders, drill presses, rivet guns, routers, and vacuum pumps.

Corrosion Control Specialist
Sheppard AFB, Wichita Falls, TX
6 weeks.

In this job, you'll be a skilled expert in spotting and preventing the corrosion that threatens Air Guard equipment. Instruction includes the identification of metals and corrosion products, corrosion prevention and removal, and the application of protective coatings. You'll learn corrosion inspection techniques and inspect equipment for corrosion.

Fabrication and Parachute Specialist
Chanute AFB, Rantoul, IL
12 weeks.

It will be your job to inspect, maintain, repair, and produce items from fabric and rubber products. You'll repair and maintain parachutes and life support clothing and equipment, fiberglass surfaces, life rafts, and vests. Instruction includes hand and machine sewing, sewing machine maintenance, hangar cover repair, upholstery, and soundproofing.

Jet Engine Mechanic
Chanute AFB, Rantoul, IL
8 weeks.

As a Jet Engine Mechanic, you will work on the engines that move the big, fast planes of the Air Guard. Instruction covers the operating principles, engine change, adjustments, and conditioning of both turbo jet and small gas turbine engines and systems. This includes disassembly, inspection, repair, and assembly of these engines. Emphasis is placed on ground safety practices, ground support equipment, electrical fundamentals, maintenance forms, and man-hour accounting as applicable to engine maintenance.

WARN
DO NOT T
DURING FL

Metals Processing Specialist
Chanute AFB, Rantoul, IL
12 weeks.

In this specialty, you will build welded structures and make metal weld repairs in weapons and ground support equipment. You'll weld, cut, solder, braze, and hard-surface such metals as carbon and alloy steels, aluminum, titanium, and the super alloys used to build and repair Air Guard weapon systems. Instruction includes the use and care of hand tools and machines such as grinders, drill presses, power saws, and metal cutting shears.

Nondestructive Inspection Specialist
Chanute AFB, Rantoul, IL
10 weeks.

As a Nondestructive Inspection Specialist, you'll save the Air Guard time and money by inspecting a plane without dismantling it. To do this, you use ultrasonic, leak detector, and radiographic inspection equipment. Training includes eddy current testing, radiographic inspection, and x-ray film exposure and processing techniques.

Reciprocating Propulsion Mechanic
Sheppard AFB, Wichita Falls, TX
4 weeks.

In this specialty, you'll repair, adjust, and condition reciprocating engines. You'll learn the operating principles changing procedures, construction features, and inspection of these engines. Instruction includes the assembly, disassembly, inspection, repair, and adjustment of power packages. Emphasis is placed on technical and standard publications, maintenance forms, and maintenance documentation as applicable to engine maintenance.

Aircraft Systems Maintenance may prepare you for civilian careers such as:

- Aircraft Propeller Mechanic
- Aircraft Hydraulic/Pneumatic Mechanic
- Aircraft Electrical Systems Technician
- Aircraft Environmental Systems Mechanic
- Fluid Systems Repairman
- Jet Engine Mechanic
- Reciprocating Engine Mechanic
- Corrosion Control Specialist
- Upholsterer
- Welder

Aircrew Operation and Protection:

Aircrew Life Support Specialist
Chanute AFB, Rantoul, IL
5 weeks.

Working as an Aircrew Life Support Specialist, you'll inspect and maintain the equipment that airmen must depend on in emergencies. Equipment includes helmets, oxygen masks, parachutes, life rafts and life preservers. You'll issue, fit, and adjust this equipment and train aircrews in techniques and methods of using their equipment.

Aircraft Loadmaster
Sheppard AFB, Wichita Falls, TX
6 weeks.

You'll be responsible for loading and unloading aircraft, computing the weight and balance of the load, and providing for the security of cargo, mail, and baggage inflight. Your training will prepare you to perform preflight and postflight checks of the aircraft and its systems, prepare supplies and equipment for airdrop, and conduct cargo and personnel airdrops. The comfort and safety of passengers and troops is also your responsibility.

Pararescue/Recovery Specialist

Pararescue Indoctrination
Lackland AFB, TX
8 weeks.

Airborne (Parachutist)
Ft. Benning, GA
3 weeks.

Scuba Diving
Ft. Bragg, NC
4 weeks.

Basic Survival
Fairchild AFB, WA
2 weeks.

Pararescue Recovery Specialist
Kirtland AFB, NM
18 weeks.

Home Station Proficiency
9 weeks.

As a Pararescue/Recovery Specialist, you'll be responsible for finding and treating wounded or lost personnel under any and all conditions. You will determine rescue and recovery procedures to be used. You will be skilled in survival and evacuation techniques, and able to perform rescue/recovery aircrew duties and supervise subordinates. Training includes airborne (parachutist), scuba diving, mountaineering, basic survival, emergency medical treatment and specialized pararescue/recovery techniques.

Aircrew Operation and Protection may prepare you for civilian careers such as:

- Cargo Handler
- Flight Attendant
- Paramedic
- Aircraft Safety Equipment Mechanic

Audiovisual

Continuous Photoprocessing Specialist
Lowry AFB, CO
8 weeks.

It will be your job to perform photographic laboratory functions associated with aerial, technical, motion picture and micro photography. You'll learn to operate high capacity and high definition photographic processing, printing, and finishing equipment. This equipment is associated with reconnaissance, mapping, and special mission photographic processing laboratories.

Still Photographic Specialist
Lowry AFB, CO
15 weeks.

The Still Photographic Specialist takes still and motion pictures for photojournalism portraits, movie clips and documentation. You learn camera operation for lab reproduction, how to develop film by operating manual and continuous processing equipment, and the printing and finishing of black and white and color sensitized material. Studies include theory and application of chemistry optics, sensitized material light quality, and exposure techniques. The course also includes lab admistration, production, and technical publications, quality control procedures; sensitometric and densitometric computations; environment and recovery procedures.

Audiovisual may prepare you for civilian careers such as:

- Still Photographer
- Photoprocessing Control Specialist
- Aviation Photographic Film Processor

Avionic Systems

Avionics is a term coined from "aviation electronics." It covers electronic devices adapted for use in aviation. This inclues a wide range of instruments and career fields. The equipment you'll be working with includes radar, communications and navigation. The jobs are all important. You'll learn to install, check, and repair avionics systems and the instruments that test them. Studies include the fundamentals and applications of electronic principles.

Automatic Flight Control Systems Specialist
Chanute AFB, Rantoul, IL
18 weeks.

In this specialty, you will inspect, maintain, and repair the systems that a flyer depends on when he switches to automatic pilot. Emphasis is placed on the operation, adjustment, inspection, and malfunction analysis of these systems. Instruction includes the principles of navigation systems, aerodynamics, pneudraulics, and electronics. You'll learn the use of wiring diagrams and test equipment in automatic flight control systems and circuit analysis.

Avionics Communications Specialist
Keesler AFB, Biloxi, MS
27 weeks.

As an Avionics Communications Specialist, you will operate and repair avoinic communication equipment. This includes the tuning, testing, and adjustment of command, AM and FM radio, and interphone equipment. Instruction covers the principles of transmitters, receivers, antennas, tuners, and electronic and electromechanical tuning systems. This includes the use of selected communication and test equipment.

Avionics Instrument Systems Specialist
Chanute AFB, Rantoul, IL
16 weeks.

You will be responsible for operating and maintaining the avionic systems that give pilots the information they depend on to fly their planes. Trainees learn electronics and physics as they apply to instrument systems. You are taught to inspect, troubleshoot and adjust aircraft instrument systems. Your training includes the use and interpretation of technical publications, wiring diagrams, and schematics. Your instruction involves aircraft familiarization, ground safety practices, and use of common and special hand tools.

Avionics Navigation Systems Specialist
Keesler AFB, Biloxi, MS
31 weeks.

It will be your job to operate and repair radio and electronic navigation equipment. This includes the application of electronic principles, circuit theory and testing, shop practices, and maintenance records. Studies cover search radar, transponder principles, beacon and altimeter systems, and instrument landing system receivers. You'll learn navigational aid principles and shop practices by working on selected radio and radar equipment.

Avionics Systems may prepare you for civilian careers such as:

- Radar Maintenance
- Television Maintenance
- Precision Instrument Maintenance

Carpentry Specialist
Sheppard AFB, Wichita Falls, TX
5 weeks.

It will be your job to construct and maintain wooden structures, install building hardware, and erect prefabricated wood and metal buildings. Training includes the use and maintenance of carpentry tools such as circular saws, lathes, and disk sanders. You'll also learn to interpret construction drawings, determine material quality and keep a material inventory.

Civil Engineering

The field of civil engineering offers an excellent opportunity to train for a well paying civilian job. There's a great demand for qualified workers in this field and the Air Guard can give you a skill that will put you well on your way to a successful career. The Air Guard uses much the same equipment as is used in civilian projects.

Civil Engineering Resources Management Specialist
Sheppard AFB, Wichita Falls, TX
3 weeks.

In this specialty, you'll be introduced to civil engineering, real estate, and cost management. Studies include work processing and control procedures, cost accounting principles, labor reporting, and real property records. You'll learn about automated records, calculator and key punch operation, and funds management procedures.

Construction Equipment Operator
Ft. Leonard Wood, MO
11 weeks.

As a Construction Equipment Operator, you'll operate and maintain the construction equipment used in base maintenance. This includes dump trucks, front-end loaders, fork lifts. motor graders, dozers, compacters and cranes. You'll operate specialized equipment such as backhoes, water and bituminous distributors, rollers, sweepers, and industrial tractors with attachments.

Electric Power Line Specialist
Sheppard AFB, Wichita Falls, TX
8 weeks.

In this specialty, you'll perform electric system maintenance. This includes airfield and runway lighting plus the installation and maintenance of street and area floodlighting. Studies include electrical fundamentals and the construction and maintenance of electrical power distribution systems. Training also includes pole climbing, first aid and rescue procedures.

Electric Power Production Specialist
Sheppard AFB, Wichita Falls, TX
9 weeks.

The Air Guard needs an adequate and dependable supply of electric power at all times. Working as an Electric Power Production Specialist, you'll maintain generator set equipment including engine and system components, electrical generators, switch-gear, electrical control system components, and powerplant auxiliary equipment. Your studies include the fundamentals of gasoline and diesel engines, electric power generation and operation, trouble analysis, and the operation of single and multiple generator sets.

Electrician
Sheppard AFB, Wichita Falls, TX
7 weeks.

As an Electrician, you'll install and maintain interior electrical systems and equipment. Duties also include installation maintenance, and repair of system circuitry and interior utility electrical equipment. Training covers motors, motor control systems and the principles of operation and maintenance of sensory, detection, and warning circuits and devices.

Entomology Specialist
Sheppard AFB, Wichita Falls, TX
5 weeks.

As an Entomology Specialist, you'll control plant and vegetation pests and operate and maintain insecticide and herbicide spray equipment. Training includes collecting and identifying specimens determining control measures and identifying and using treatment solutions.

Environmental Support Specialist
Sheppard AFB, Wichita Falls, TX
7 weeks.

It will be your job to operate and maintain waterwaste processing and treatment plants. This includes chemical analyses, treatment procedures, treating systems designs, and plant and equipment functions. Instruction covers the specialized water treatment and tertiary waste water treatment.

Fire Protection Specialist
Chanute AFB, Rantoul, IL
6 weeks.

In this specialty it will be your responsibility to fight aircraft, structural, and material fires; and deal with other emergencies. Your training will include extinguishing agents, theory of combustion, missiles and weapons fire protection, protective clothing and emergency first aid.

Heating Systems Specialist
Sheppard AFB, Wichita Falls, TX
9 weeks.

Working as a Heating Systems Specialist, you'll install furnaces and space heaters. You'll operate and maintain oil, gas, and coal burning units for space heaters, furnaces and boilers. The operation and maintenance of complete steam and hot water heating systems are covered. Your instruction includes water treatment and scale and corrosion prevention.

Liquid Fuel Systems Maintenance Specialist
Chanute AFB, Rantoul, IL
8 weeks.

If the Air Guard is to be ready for any emergency, it must always have a reliable source of fuel close at hand. In this specialty, you'll maintain and inspect liquid conventional fuel storage and dispensing systems and learn the fundamentals of hydraulics and electricity. You'll fabricate piping and fitting assemblies and inspect and maintain storage tanks, pumps, filters, meters, valves and strainers. Training includes troubleshooting the installed mechanical and hydrant systems used for storing and dispensing aviation gasoline and jet plane fuels.

Masonry Specialist
Sheppard AFB, Wichita Falls, TX
5 weeks.

In this specialty you'll construct and maintain masonry structures using materials like clay brick, concrete block, stone, and tile. You'll prepare concrete, mortar, and plastic mixes. Your instruction includes the installation of concrete forms, reinforcing steel, and pouring and finishing concrete. You'll learn the proper use and care for both masonry hand and power tools.

Metal Fabricating Specialist
Sheppard AFB, Wichita Falls, TX
7 weeks.

Working as a Sheet Metal Specialist, you'll install and repair ventilating ducks, sheet metal roofing, fireproof partitions, and doors. In this work, you'll take measurements from drawings, lay out working details for fabrication, and determine whether to repair or replace various sheet metal articles. Instruction includes soldering and riveting plus the use of power-cutting tools, bandsaws, and punches.

Pavements Maintenance Specialist
Sheppard AFB, Wichita Falls, TX
4 weeks.

Working as a Pavements Maintenance Specialist, you'll construct, maintain, and repair airfield pavements, roads, and walks. This course will train you in erosion control, subgrade and base course construction. Instruction includes rapid runway repair, security fencing, care of tools and equipment.

Plumbing Specialist
Sheppard AFB, Wichita Falls, TX
5 weeks.

Working as a Plumbing Specialist, you'll plan and lay out plumbing systems. You'll install, maintain, and repair plumbing fixtures and building water supply and distribution piping systems. Training includes the maintenance and use of plumbing tools, equipment, and supplies. You'll also learn proper techniques for cutting, bending, threading, and assembling pipe and tubing.

Refrigeration and Cryogenics Specialist
Sheppard AFB, Wichita Falls, TX
10 weeks.

In this job, you'll become proficient in trouble analysis and maintenance of refrigeration and air conditioning components. This includes compressors, condensors, evaporators, receivers, and cooling towers. Your training covers motor and refrigerant controls, refrigeration accessories, trouble analysis, commercial refrigeration, and elementary water analysis and conditioning.

Civil Engineering may prepare you for civilian careers such as:

- Carpenter
- Construction Equipment Operator
- Electrician
- Electric Power Lineman
- Entomologist
- Fireman
- Mason
- Metal Worker
- Plumber

Command Control Systems Operations

Aerospace Control and Warning Systems Operator
Keesler AFB, Biloxi, MS
3-6 weeks (dependent upon type of equipment utilized)

In this specialty, it will be your responsibility to guide Air Guard pilots to airborne targets. Apprentice level training is given in manual Aircraft Control and Warning (AC&W) operation. You'll receive enough training in computerized operation to enable you to perform at apprentice level in a track monitoring position of Semi-automatic Ground Equipment (SAGE) Direction Center, an air defense radar system. Sufficient computer background is given to enable you to rapidly adjust when assigned to specific semi-automatic systems. You'll study radar operation, plotting, recording, transponder systems, electric counter measures/electronic computer counter measures, computer fundamentals, surveillance symbology, and digital displays. The operation of monitor display consoles and related subjects are also covered.

Command and Control Specialist
Keesler AFB, Biloxi, MS
6 weeks.

As a Command and Control Specialist, you will operate Command Post Equipment and communications, plus manual and automatic reporting systems. Training includes scheduling and control of flight operations including weather and force unit displays.

Command Control Systems Operations may prepare you for civilian careers such as:

- Vehicle Control Dispatcher
- Assistant Office Manager
- Aircraft Flight/Maintenance Scheduler
- Clerical Assistant

Operations Systems Management Specialist
On the job training to be taken at your home base.

Your role as an Operations Systems Management Specialist will include the scheduling of crew training, dispatching aircraft, and maintaining flight information and flight training data. Flight plans are examined for completeness and, along with flight movement messages, are transmitted to the Air Route Traffic Control Center. In this position, you'll use communication systems like the teleautograph and the teletypewriter. Instruction includes the use of navigational aids plus the interpretation of weather symbols, reports, and forecasts.

Communications

Air Guard Communications offer a range of opportunities that are as vast and challenging as the sky itself. From guiding a pilot to a safe landing to helping overseas servicemen talk with their families. The Air Guard has today's newest communications equipment and training. People are needed in all facets of ground to ground, air to air, and ground to air communications. You'll learn skills such as the operation and repair of radio, radar, and telex equipment.

Communications Electronic Systems

Air Traffic Control Radar Specialist
Keesler AFB, Biloxi, MS
37 weeks.

You will be responsible for repairing the equipment that aids Air Guard pilots in making safe takeoffs and landings. Instruction includes the operation and repair of air traffic control radar equipment, associated communication and identification equipment, and related test equipment. You'll learn the application of electronic principles, circuit analysis, testing and shop practices. Instruction is general with emphasis on basic principles instead of proficiency training on specific equipment.

Aircraft Control and Warning Radar Repairman
Keesler AFB, Biloxi, MS
27 weeks.

It will be your job to install, operate, inspect and repair aircraft control and warning radar as well as associated auxiliary and related test equipment. Your training includes the application of electronic theory and principles, circuit theory and testing, and shop practices. You will learn on equipment such as transmitters and radio frequency systems, normal receivers, antenna positioning systems and heightfinder indicators.

Electronic Communications and Cryptographic Equipment Systems Repairman
Lackland AFB, San Antonio, TX
23 weeks.

Working as an Electronic Communication and Cryptographic Equipment Systems Repairman, you'll operate and maintain the Air Guard's communication systems. You'll learn the fundamentals of electronic theory, including vacuum tube operation, solid state devices, multivibrators, and digital logic circuits. Training includes the use of hand tools, test equipment and soldering techniques.

Ground Communications Radio Specialist
Keesler AFB, Biloxi, MS
23 weeks.

As a Ground Radio Communication Equipment Repairman, you'll operate, install, maintain and repair ground radio communication equipment such as transmitters, receivers, recorders, communication consoles, and associated test equipment. Studies include electronic principles, special circuits, and digital communications equipment.

Navigational Aids Equipment Specialist
Keesler AFB, Biloxi, MS
30 weeks.

In this specialty, you will repair the equipment that allows ground stations to stay in contact with Air Guard pilots. You'll learn to install, tune, operate, inspect, maintain, and repair beacons, instrument landing systems, very high frequency omnirange, and tactical air navigation systems. Instruction includes electronic principles, special circuits, and analysis of radio beacons. Instrument landing systems and the use of regular and specialized test equipment are fully covered.

Telecommunications Control Specialist Attendant
Keesler AFB, Biloxi, MS
19 weeks.

You will be responsible for maintaining the equipment that provides the communication link between your Air Guard base and those throughout the rest of the country. You'll train on radio and wire telecommunications equipment, systems and circuits. You'll learn the procedures and facilities used for monitoring circuits and analyzing their performance. Techniques for checking signal quality and preventing or correcting circuit deterioration and malfunction are fully covered. Training includes electronic and teletype principles, codes, equipment and operation.

Television Equipment Repairman
Lowry AFB, CO
17 weeks.

It will be your responsibility to install, maintain, repair, and analyze the performance of Air Guard television systems and associated test equipment. Your training will include work on television cameras, monitors, video tape equipment, and Helical recording and projection equipment.

Wideband Communications Equipment Specialist
Keesler AFB, Biloxi, MS
22 weeks.

Working as a Radio Relay Equipment Specialist, you will operate, install, test, and repair microwave, voice and teletype multiplex, and transportable radio relay equipment. Training includes electronic principles, special circuits, telephone and telegraph terminal principles, and frequency modulation. Link systems and microwave relay, isolation of equipment malfunctions, and use of specialized and standard test equipment are also included.

Wire Communications Systems Maintenance

Cable Splicing, Installation and Maintenance Specialist
Sheppard AFB, Wichita Falls, TX
12 weeks.

It will be your job to splice and seal aerial and underground cables. Instruction includes electrical fundamentals, use of test equipment, cable conductor identification, and the detection of cable faults. You'll study the functions, installation, operation and maintenance of pressurized cable systems.

Outside Wire and Antenna Maintenance Repairman
Sheppard AFB, Wichita Falls, TX
13 weeks.

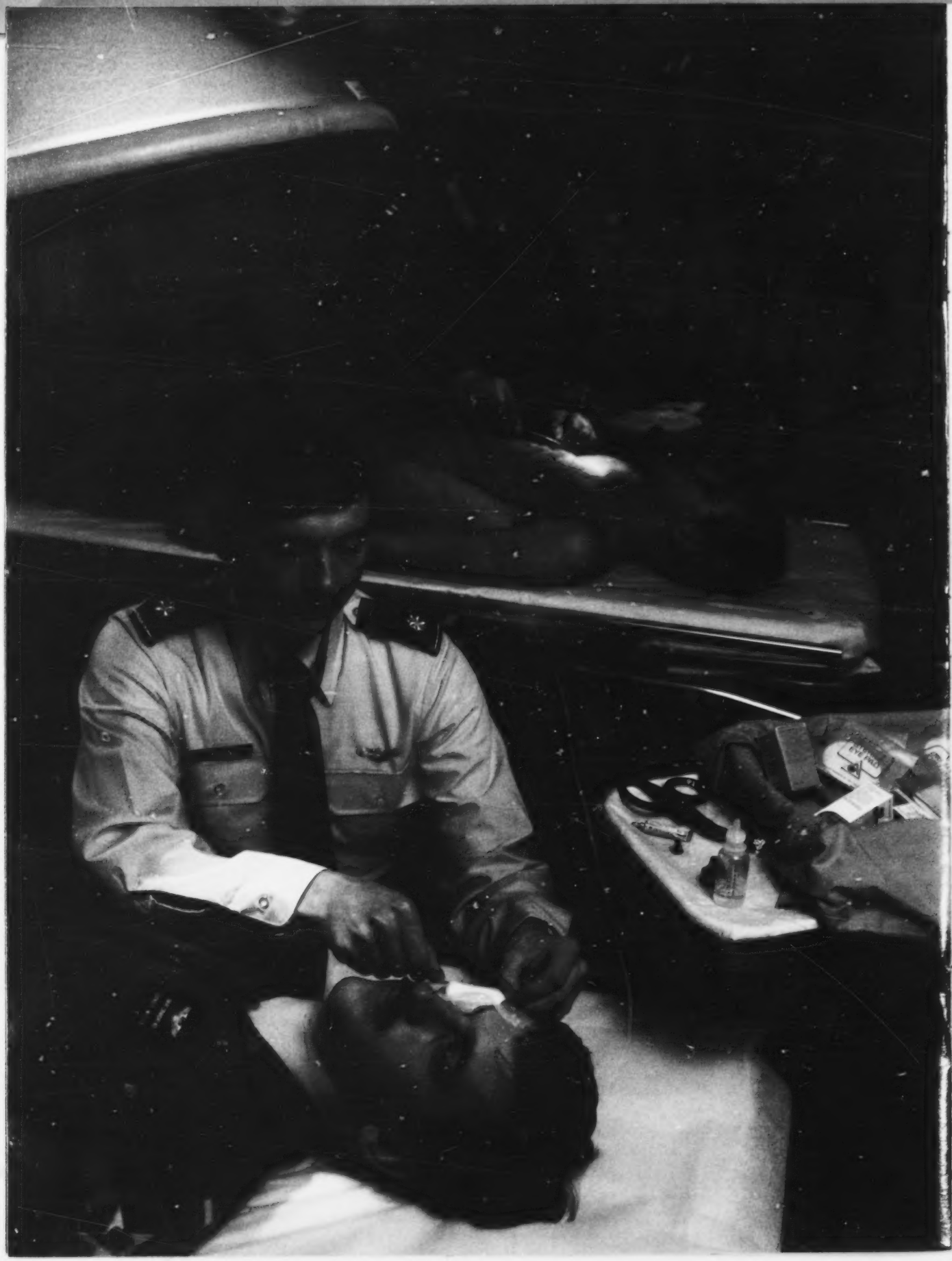
In this specialty, you will install and maintain outside wire and antenna systems. You'll learn the basics of AC and DC electricity, outside plant construction fundamentals, and antenna principles. Also, line construction fundamentals, installation and maintenance of cable systems are included as a part of this specialty training.

Telephone Central Office Switching Equipment Specialist Electro/Mechanical
Sheppard AFB, Wichita Falls, TX
22 weeks.

As a Telephone Switching Equipment Repairman, you will maintain the equipment used to flash telephone messages across the world. Electrical, electronic, and telephone switching principles are covered. Training includes the application of switching principles to telephone systems, maintenance management, relay operation, adjustment, and management. You'll also learn step-by-step and automatic voice network interface equipment circuit analysis, and testing.

Telephone Equipment Installation and Repair Specialist
Sheppard AFB, Wichita Falls, TX
13 weeks.

Working as a Telephone Equipment Installation and Repair Specialist, you'll play a basic role in Air Guard communication. Training includes the fundamentals of AC and DC circuits, solid state devices, and telephone equipment. You'll learn telephone substation installation and maintenance and intercom system maintenance. Studies include the use of technical publications, maintenance management, and safety procedures.



Communications Operations

Ground Radio Operator
Keesler AFB, Biloxi, MS
8 weeks.

As a Radio Operator, you might keep in touch with both the pilots, who depend on you for directions, and with other Air Guard bases all across the country. You'll learn to inspect, tune, and operate ground radio receivers. You will maintain a record and radio log and become familar with transmitter principles and antenna systems.

Telecommunications Operations Specialist
Sheppard AFB, Wichita Falls, TX
9 weeks.

In this specialty you'll become part of the team that coordinates Air Guard communications all over the country. This includes the identification, preparation, transmission, and reception of messages. You'll learn teletype-writing, card punching, message structure, and interpretation of tape and card perforations. The principles of automatic network operation communication codes, code conversion and number systems are also covered.

Communications may prepare you for civilian jobs such as:

- Cryptographer
- Radio Operator
- Photo-Radio Operator
- Cable Splicer
- Television Repairman
- Telephone Inspector
- Teletype Repairman
- Manual Equipment Repairman

Intelligence

Imagery Interpreter Specialist
Lowry AFB, CO.
25 weeks.

Working as an Imagery Interpreter Specialist, you will gather information on enemy troop position and strength by examining air intelligence photos. Instruction includes the national intelligence structure, use of maps and charts, visual photo interpretation radar, and infrared. You'll also learn multi-sensor imagery interpretation, mission planning and reporting and the application of intelligence automatic data processing. You will prepare and present imagery interpretation reports.

Intelligence Operations Specialist
Lowry AFB, CO
9 weeks.

As an Intelligence Operations Specialist, you will gather information on troop positions that will aid in the formation of battle plans and defenses. Studies include the national intelligence structure, the use of maps and charts, and the fundamentals of imagery interpretation. The defensive and offensive capabilities of communist countries and their tactics are covered. You'll learn targeting, mission planning, evasion and escape, and intelligence automatic data processing. You will also prepare and present intelligence briefings and participate in a simulated operations problem.

Intelligence may prepare you for civilian careers such as:

- Translator
- Data Processing Specialist
- Deciphering

Intricate Equipment Maintenance

Aerospace Photographic Systems Specialist
Lowry AFB, CO
10 weeks.

In this position, you will maintain gun, motion picture, radarscope recording, bomb spotting, and strike camera systems along with associated support equipment and reconnaissance systems. You'll learn the electronic and mechanical fundamentals used in original and intermediate maintenance of aerospace photo systems. Emphasis is placed on electronic fundamentals, use of technical publications, and photo theory.

Intricate Equipment Maintenance may prepare you for civilian careers such as:

- Camera Repairman
- Photo Systems Specialist

Medical and Dental

Dental Assistant Specialist
Sheppard AFB, Wichita Falls, TX
9 weeks.

Working as a Dental Specialist, you'll assist dentists in clinic treatment. Instruction includes oral and dental anatomy, materials, preparation of surgical packs, radiology techniques, and dental administrative procedures.

Medical Administrative Specialist
Sheppard AFB, Wichita Falls, TX
6 weeks.

In this specialty, your responsibilities will include typing, processing forms, written correspondence, records, and publications. You'll learn duties in support of professional service and hospital business offices. Duties include register service, air evacuation of patients, and medical service accounts, and preparing the staffing report.

Medical Services Specialist
Sheppard AFB, Wichita Falls, TX
6 weeks.

As a Medical Services Specialist, you would assist professional personnel in the nursing care and treatment of patients. This involves emergency medical treatment, basic theory and skills in providing nursing care. Emphasis is placed on nursing technology, interpersonal relationships and identification of human needs. Training includes the basic knowledge and minimum skills required in anatomy, physiology, and basic hospital procedure.

Surgical Service Specialist
Sheppard AFB, Wichita Falls, TX
8 weeks.

As an Operating Room Specialist, you'll assist in the most important battle of all–the battle for a human life. Emphasis is placed on your performance as a surgical scrub or circulating specialist. You'll care for patients before, during, and after surgery.

Your training in the medical field may prepare you for civilian careers, such as:

- Physician's Assistant
- Nursing Assistant
- Health Aid and Technician
- Medical Machine Technician
- Operating Room Specialist
- Dental Assistant

Missile, Munitions and Weapons Maintenance

It takes a steady, skilled hand to work with the weapons that provide this country's air strike capability. You'll learn advanced mechanical skills involving the maintenance and repair of munitions and their associated launching systems.

Missile Electronic Maintenance

Missile Systems Maintenance Specialist
Lowry AFB, CO
6 weeks.
Tyndall AFB, FL
4 weeks.

It will be your job to troubleshoot, repair, and replace missile components. You will be trained in electronic and missile fundamentals, maintenance management, security, and safety. Instruction includes air launched missile characteristics, components, assembly, and signal flow analysis. Also handling, inspection, storage, and checkout.

Munitions Systems Maintenance

Aircraft Armament Systems Specialist
Lowry, AFB, CO
13 weeks.

In this specialty, you will inspect, install, and service conventional weapon release and launching systems and associated components. You also load, position, safety and unload conventional bombs, rockets, and missiles. Instruction includes the inspection, loading and maintenance of aircraft weapons and weapons systems. Studies involve the fundamentals of electricity, solid state electronics, soldering and use of test and support equipment.

Missile Munitions and Weapons Maintenance may prepare you for civilian careers such as:

- Armorer
- Ammunition Inspector
- Munitions Handler Foreman
- Powderman
- Pyrotechnic Mixer
- Electrician
- Airplane Mechanic
- Hydraulic Tester

Munitions Systems Specialist
Lowry, AFB, CO
13 weeks.

Working as a Munitions Systems Specialist, you will receive, inspect, recondition, deliver, and assemble non-nuclear munitions. Training includes security, maintenance management, hand tools, U.S. Air Force technical orders, stock lists, and explosive safety. You'll learn to use chemical agents, spray tanks, and handle equipment. Some background is given on nuclear weapons.

Personnel

Personnel Specialist
Keesler, AFB, Biloxi MS
8 weeks

In this position, you will perform administrative responsibilities which are essential to the Air Guard. You will prepare reports, recorded and written communications. You'll work with publications, and learn to apply basic principles of personnel procedures like quality control, counselling and career control.

Personnel may prepare you for civilian careers such as:

- Personnel Specialist

Security Police

As a Security Policeman, it will be your duty to protect your Air Guard base. You will be trained to use Special Police and ground defense weapons and tactics. Instruction in the use of land mines and grenades is included. You will be responsible for maintaining order in time of disaster or civil disturbance.

Law Enforcement Specialist
Lackland AFB, San Antonio, TX
6 weeks.

You will be responsible for maintaining order on the your Air Guard Base. Training includes law enforcement administration, investigations, traffic control, and accident investigation. You'll also learn disaster, civil disturbance, riot control, and the use of police weapons.

Security Specialist
Lackland AFB, San Antonio, TX
6 weeks.

As a Security Specialist, you will be responsible for protecting your Air Guard base and the lives of those stationed there. You will study the Air Guard security program, local ground defense and the use of special police and ground defense weapons.

Security Police may prepare you for civilian careers such as:

- Guard
- Police Inspector
- Police Officer
- Watchman

Supply and Services

The field of supply and services includes a number of specialties which are not only vital to the functioning of the Air Guard but are also in demand by civilian employers. The field includes supply and inventory maintenance, food service, fuel handling procurement and transportation.

Air Cargo Specialist
Sheppard AFB, Wichita Falls, TX
5 weeks.

As an Air Cargo Specialist you'll handle, ship, load, and warehouse the tons of shipments the Air Guard must move daily. You'll learn to maintain and operate materials handling equipment and prepare and maintain air cargo records.

Air Passenger Specialist
Sheppard AFB, Wichita Falls, TX
4 weeks.

It will be your duty to handle the unseen, yet important steps that must be taken before scheduled passenger flights can go off smoothly. Reservations must be made and confirmed and travel authorization must be checked for validity. You'll learn the principles of record preparation and customer relations to insure the best possible flight for your passengers.

Food Service Specialist
Lowry AFB, CO
9 weeks.

In this specialty, you'll prepare food in field food service facilities and flight kitchens as well as the base facilities. Food is served and prepared according to standard recipes. The most modern kitchen and dining hall equipment will be at your disposal.

Freight Traffic Specialist
Sheppard AFB, Wichita Falls, TX
8 weeks.

In this specialty, you'll help supervise the movement of the tons of freight that pass through Air Guard bases daily. This includes classifying, documenting, and arranging for the shipment of this cargo. You'll learn receiving practices and procedures and the operation of materials handling equipment.

Fuel Specialist
Chanute AFB, Rantoul, IL
5 weeks.

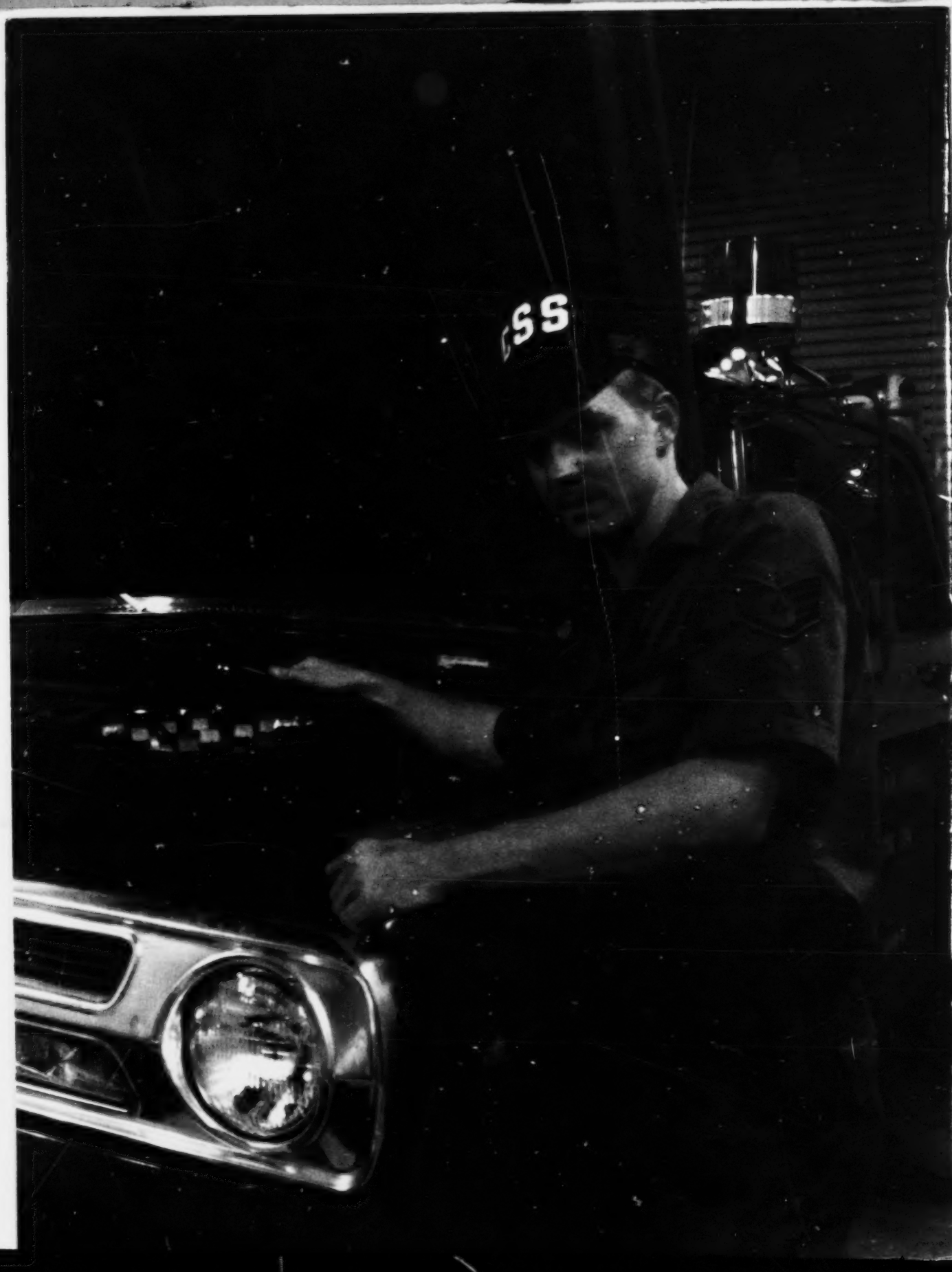
In this specialty, you'll receive, store, and issue the petroleum products that power the Air Guard's aircraft. You'll maintain fuel activity records and inspect, maintain, and operate storage and dispensing equipment.

Inventory Management Specialist
Lowry AFB, CO
5 weeks.

In this position, you must know what supplies the Air Guard has on hand and what it will need in the future. You'll learn the U.S. Air Force Standard Base Supply System of inventory control that is used to account for the thousands of supply items that the Air Guard uses. This includes item accounting, stock control and demand processing, equipment management, maintenance support, and document control.

Material Facilities Specialist
Lowry AFB, CO
4 weeks.

As a Material Facilities Specialist, you will receive, store, issue and deliver the supplies that are needed to keep the Air Guard running strong. You'll learn open storage, warehouse shipping, and inventory procedures, plus operating of materials handling equipment. Training includes stock cataloging, maintenance support, and use of remote equipment to process computer inputs.


CSS

Base Contracts Specialist
Lowry AFB, CO
4 weeks.

It will be your job to handle the purchasing of the many and varied supplies the Air Guard uses. Training includes procurement publications, formal advertising procedures, analysis of bids, and contract awards. Procedures for negotiation, contract administration and termination are also covered.

The civilian applications of cooking and fuel handling are apparent. Other supply and service specialties may prepare you for civilian careers as follows:

Inventory Management and Material Facilities Specialists.
- inventory specialist
- stock clerk
- shipping clerk
- warehouse manager

Procurement:
- purchasing agent
- procurement officer

Transportation:
- cargo handler
- airline ticket agent
- freight agent

Vehicle Maintenance

General Purpose Vehicle Mechanic
Chanute AFB, Rantoul, IL
9 weeks.

It will be your duty to inspect, test, troubleshoot, and repair general service vehicles. Training includes engine tune-up and repair, transmission replacement and adjustment and lube system repair. Also cooling system and power train repair, brake system adjustment and repair, and hydraulic control repair. Special test and repair equipment are used.

Special Vehicle Mechanic

Special Vehicle Mechanic:

Fire Trucks
Chanute AFB, Rantoul, IL
11 weeks.

Materials Handling Vehicles
Chanute AFB, Rantoul, IL
9 weeks

Refueling Vehicles
Chanute AFB, Rantoul, IL
8 weeks.

Towing/Servicing Vehicles
Chanute AFB, Rantoul, IL
9 weeks.

The vehicles that provide ground support for Air Guard aircraft must always be at the ready and in top condition. As a Special Vehicle Mechanic, this is your responsibility. You'll learn the fundamentals of auto mechanics including vehicle maintenance inspection systems, policies, and procedures. Special vehicle tools and test equipment will be used. Training includes work on gas engines, power train components, steering mechanisms, brakes, and hydraulic systems. Security, safety, and use of U.S. Air Force and commerical publications are also covered.

Vehicle Body Mechanic
Aberdeen Proving Ground, Aberdeen, MD
10 weeks.

As a Vehicle Body Mechanic, you'll help keep Air Guard vehicles running and looking good. You'll learn the principles of auto body maintenance–body panel and fender repair, refinishing welding, and radiator repair. Duties include glass replacement, protective coating, painting, and methods of inspecting damaged vehicles. You'll use test and repair equipment.

Vehicle Maintenance may prepare you for civilian careers such as:
- Auto Mechanic
- Auto Body Repairman

Weather Observer

As a Weather Observer, you'll supply the Air Guard with needed information on weather conditions and reliable forecasts to aid in scheduling flights and other operations. You'll operate meteorological and electrical equipment, analyze weather charts, and make accurate forecasts. You'll use the information you gather to determine sky and cloud conditions, visibility, wind velocity, pressure, and temperature.

Weather

Weather Specialist
Chanute AFB, Rantoul, IL
11 weeks.

As a Weather Specialist, you will observe and record weather elements and operate meteorological equipment. Instruction includes elementary meteorology encoding, decoding, and plotting weather information. You'll learn the operation of electronic weather equipment and weather stations.

Civilian job opportunities include:
- Meteorologist
- Weather Forecaster
- Weather Observer

ON THE JOB TRAINING

In some cases members may qualify for certain specialties through on-the-job training (OJT) instead of attending technical school. Members report to their home base and train for the appointed period of time. Before being certified in their specialty, members learning through OJT must pass the same type of test given those who attend technical school.

Naturally, you don't stop learning after finishing technical school or OJT. You sharpen your skills with every day spent on the job at your home base and can learn from the years of experience of your supervisor and co-workers. In addition, there are other programs available that offer you a chance to further your education in the Air Guard.

Career Development Courses offer you a chance to advance in your specialty through home study. This is given as a correspondence course, and you may receive college credit for what you learn here.

Additional technical schools offering formal classroom work are also available. You may either take more specialized training within your field or in some instances cross train for a new specialty.

Professional Military Education Center courses are available to prepare Guard members for increased leadership responsibilities. The ANG Professional Military Education Center (PMEC) is located at McGhee Tyson Airbase in Knoxville, Tennessee.

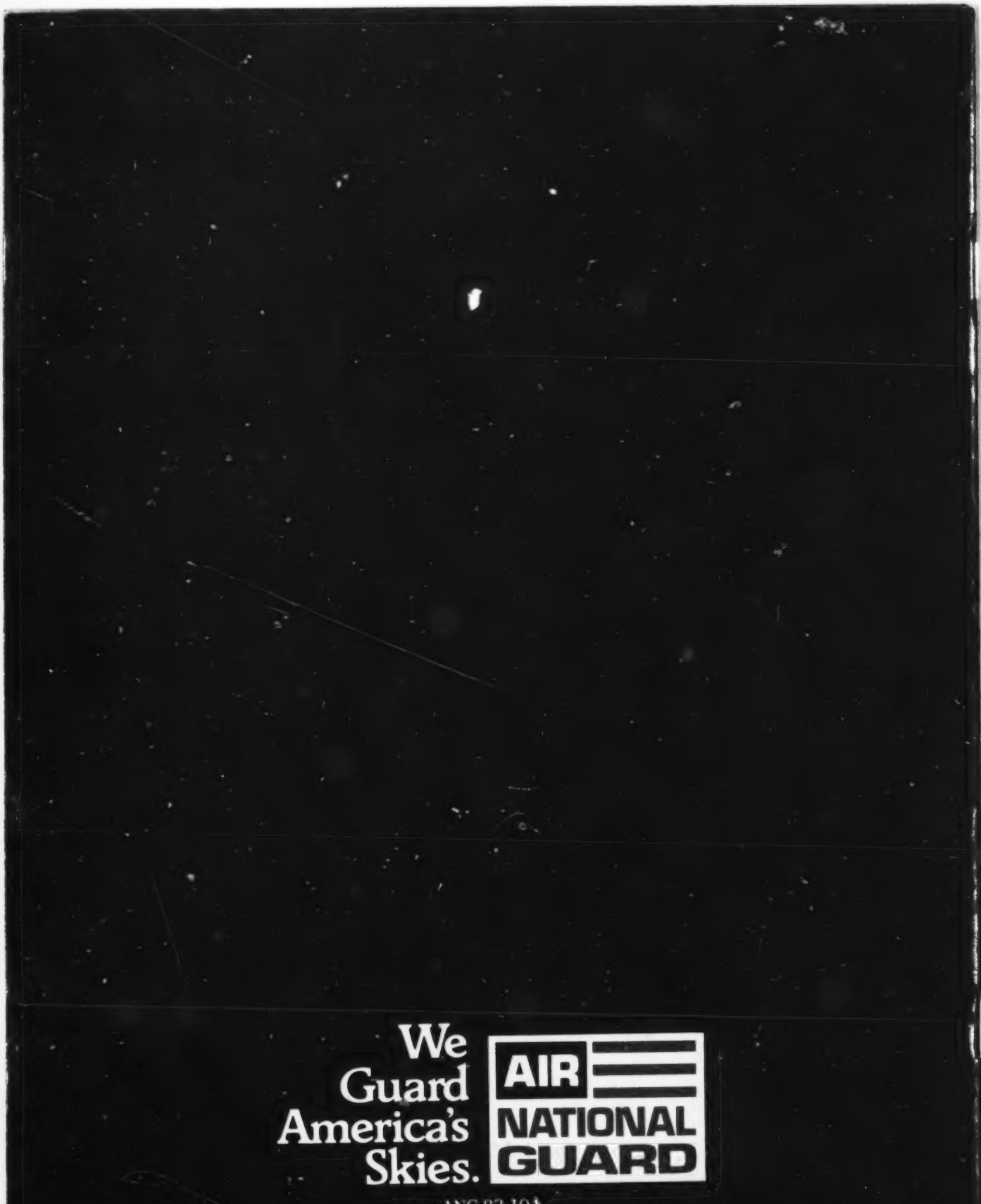
The PMEC offers three programs:

Leadership School–a program that prepares specialists to be supervisors and non-commissioned officers.

NCO Academy–trains non-commissioned officers to be more efficient leaders and managers.

Academy of Military Science–designed to prepare personnel to be commissioned officers whether or not they possess basic fundamental knowledge of the Air National Guard.

* Material contained in this pamphlet concerning course area availability, course length and location etc., is subject to change.



ANG-83-104